



# **UNIT MOVEMENT DATA AND DOCUMENTATION**

**612-120**

# References

FORSCOM/ARNG Reg 55-1: *Unit Movement Planning* (Chapter 1)

FORSCOM/ARNG Reg 55-2: *Unit Movement Data Reporting* (Chapters 2 and 4)

TB 55-46-1: *Standard Characteristics for Transportability of Military Vehicles and Other Outsized/Overweight Equipment*

# Scope of Lesson

- **Unit Movement Data Information Systems and Reports**
- **TB 55-46-1**



# Unit Movement Data Defined

“Unit Movement Data (UMD) is a list of equipment and supplies the unit plans to deploy to accomplish its mission. It includes the transportability data necessary to plan the move.”

**Ref: FORSCOM/ARNG REG 55-1 pg.5**

# UMD - General

- UMD - The information of record for planning & executing movement of Army
- ~~Army~~ Deployable units (Active Component, Army National Guard and U.S. Army Reserve) are responsible for updating UMD & ensuring data is maintained accurately (using the Transportation Coordinator Automated Command and Control Information System [TC-ACCIS]) & updates
- ~~Supporting Installations~~ Mobilization Stations support units for UMD update and reporting

# UMD Information Systems

**TC-ACCIS (Transportation Coordinator Automated Command and Control Information System)**

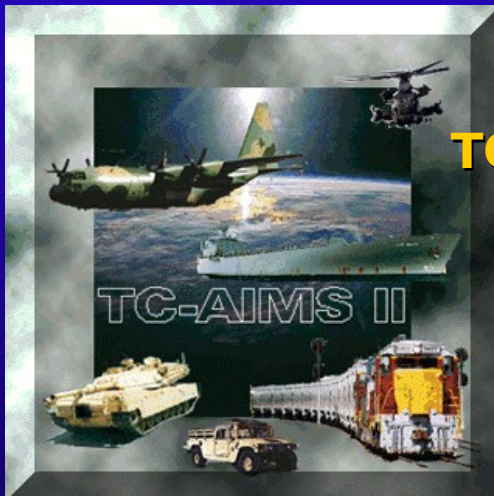
**COMPASS (Computerized Movement Planning and Status System)**

**JOPES (Joint Operational Planning and Execution System)**

**GCCS (Global Command and Control System)**

**TC-AIMS II (Transportation Coordinator Automated Information for Management System Two)**

**JFRG II (Joint Force Requirements Generator)**





# TC-ACCIS

- Transportation Coordinator Automated Command & Control Information System
- Automated system used by units and installations for updating & maintaining UMD



# Computerized Movement Planning and Status System (COMPASS)

- FORSCOM's information system & database
- Provides accurate & timely UMD to DOD, JCS, HQDA, Army installations & units
- Database supports planning & execution
- TC-ACCIS is the primary source of UMD submission into COMPASS





# TC-ACCIS Information Flow



UMC / ITO MACOM(FORSCOM)

JCS



TC-ACCIS

COMPASS

JOPES

---

UNCLASSIFIED

---

SECRET

# UMD Update & Maintenance Requirements

- FORSCOM requirements dictate that UMD must be current & accurate at all times
- FORSCOM requires UMD to be validated at least annually by all units & updated whenever a *significant change* in transportation requirements occurs

# Significant Transportation

## Requirement Change

- Significant transportation change: Any increase or decrease in unit movement requirements that results in:

Addition or subtraction of one or more rail cars, semi-trailers, trucks, passenger conveyances (buses)

Requires the allocation of more (or less) aircraft or ship deck space

# No Change Reports

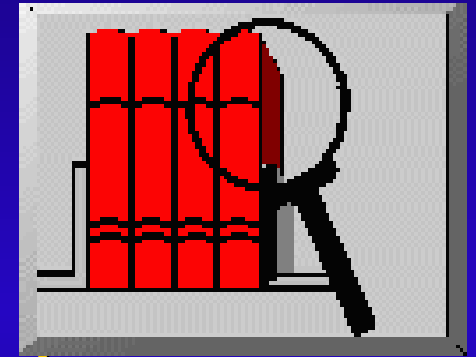
- A “No Change” report must be submitted by units with no changes to report for the update period
- The UMC processes the “No Change” report with other units’ updates

# Automated Unit Equipment List

- AUEL - Most commonly used UMD report
- Contains detail & summary listing of unit's UMD
  - Detail listing: lists individual pieces of unit equipment and provides their dimensional characteristics, mode of transportation to the POE and square footage
  - Summary listing: rolls up the detail information by mode of transportation, tonnage/vehicle square feet and total movement requirements

# FORSCOM Reg 55-2, Data Reference Tables

- Reference:  
FORSCOM Reg. 55-2,  
Chapter 4
- Data Reference Tables for Detail &  
Summary AUEL reports (Figures 4-1 and 4-3)
- Explains key data elements (Figures 4-2 and 4-4)







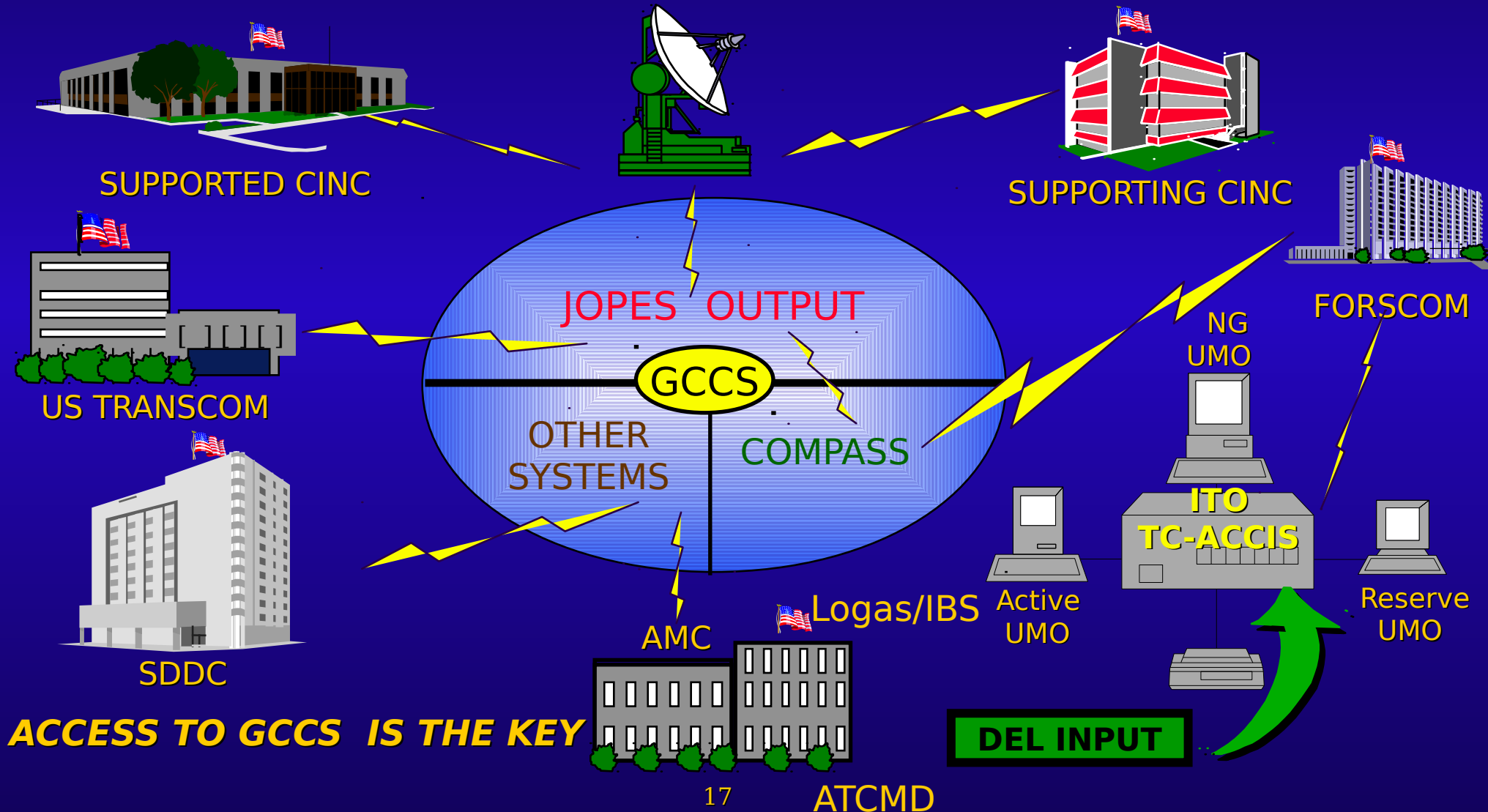
# Deployment Equipment List (DEL)

- DEL - An AUDEL tailored to reflect the actual equipment being deployed for a specific operation/exercise
- DEL must be developed to show actual movement requirements





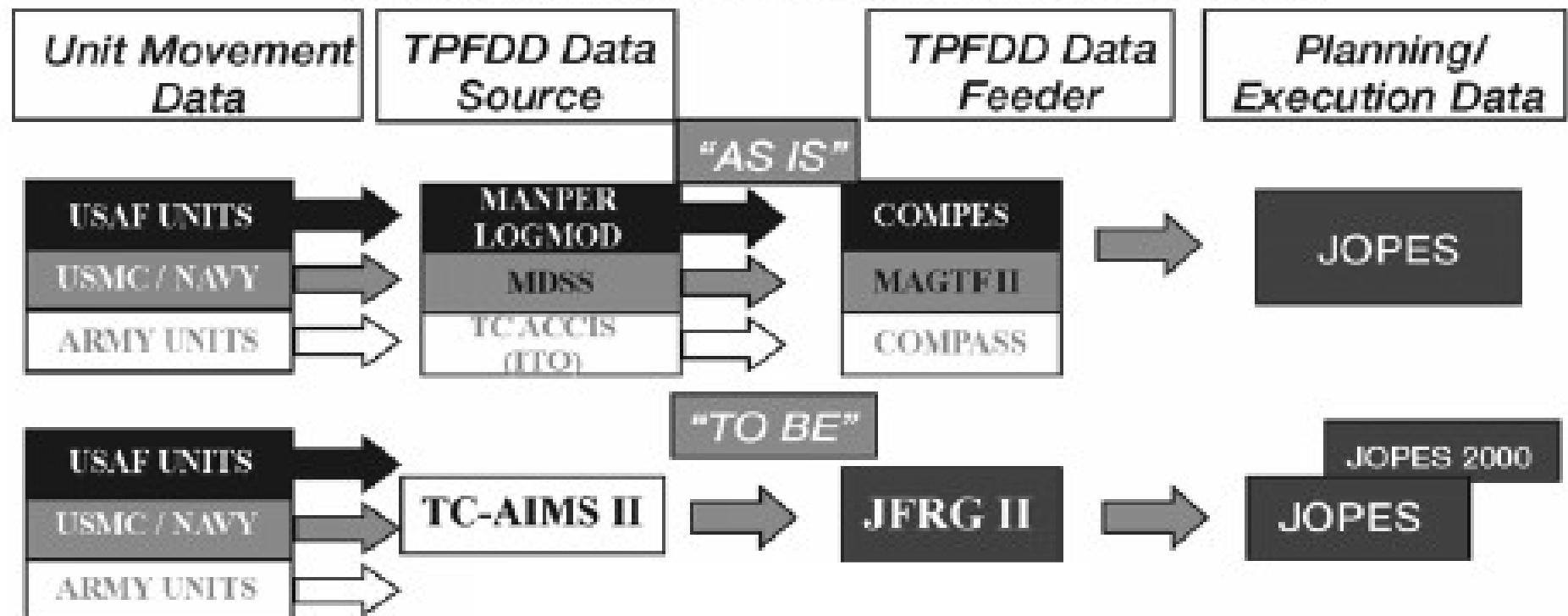
# DEL Data Flow



# Joint Deployment Information Systems Improvement

## Leveraging Current Capabilities

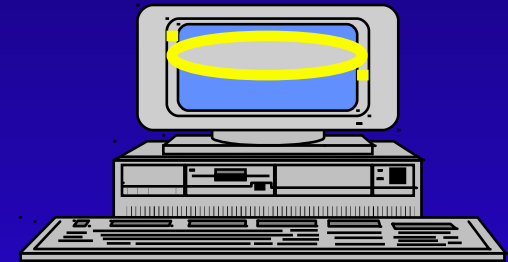
### Preparing for Future Technological Advances



# TC-ACCIS/TC-AIMS II Terminology

TC-ACCIS

TC-AIMS II



AUEL  
(OEL)

Organizational Equipment List

DEL

Unit Deployment List (UDL)

# FORSCOM Reg 55-2

## Tables 5-1 to 5-6

- Tables 5-1 to 5-6 (pages 49-54)
  - Provide codes extracted from MILSTAMP manual
  - Codes include: Water Commodity Code (WCC); Type Cargo Code (TCC); Special Handling Code (SHC); Mode to POE Code (MPE); Type Pack Code (TPC), and Type Equipment Code (TE)
  - Codes used in AUDEL/DEL reports



# MILSTAMP Codes

- Commodity Code
  - Positions one through three - Water Commodity Code (WCC)
  - Position four - Type Cargo Code (TCC)
  - Position five - Special Handling Code (SHC)

UIC: WFSPAA

TYPE DATA: D

UNIT NAME: 3:16 TC CO CARGO TRANSFER

STATION: FORT STORY

STATE: VA

SHIPMENT UNIT				DIMENSIONS				IN		INCHES		SQFT		CUBE FT		ITEM WT.		PLANNED	ACTUAL	T S M WA				IV CGO			
NUMBER	ECH/ULN	LIN-INDEX	LENGTH	WIDTH	HEIGHT											IN LBS.	WEIGHT	WEIGHT		TP	C	H	P	ER	CAT	S-TON	M-TON
D0073	00	W76816 18	184.0	105.0	94.0	135	1051	42169	42169	42169										VE	885	Z	9	1	A2DC	21.1	26
EQUIPMENT DEC: TRACTOR FTRAC LS DED				MODEL: D7F W/ROPS				BUMPER NUMBER: C 10				SERIAL NUMBER: 3332															
VEHICLE MATCH \$UN:																											
D0074	00	W76816 18	184.0	105.0	94.0	135	1051													T				S			
EQUIPMENT DEC: TRACTOR FTRAC LS DED				MODEL: D				BUMPER NUMBER:												C				H			
VEHICLE MATCH \$UN:																				C				C			
																				Z				9			
																				1				1			

SHIPMENT

UNIT

NUMBER

ECH/ULN

LIN-INDEX

D0073

00

W76816 18

EQUIPMENT DEC: TRACTOR FTRAC LS

DED

TP

PK

VE

WCC

885

T

C

C

Z

S

H

C

9

M

P

E

1

VEHICLE MATCH \$UN:										BUMPER NUMBER:		-802A	BUMPER NUMBER: DG 1				SERIAL NUMBER:				3338	
F0005	00	G74711	01	62.0	32.0	37.0	14	43	1250	1250	1250	PC	700	Z	9	1	J	3BA	1	1		
EQUIPMENT DEC: GEN SET DED SKID MTD										MODEL:		MEP-803A	BUMPER NUMBER: AG 2				SERIAL NUMBER:				3339	
VEHICLE MATCH \$UN:										BUMPER NUMBER:												
F0006	00	G74711	01	62.0	32.0	37.0	14	43	1250	1250	1250	PC	700	Z	9	1	J	3BA	1	1		
EQUIPMENT DEC: GEN SET DED SKID MTD										MODEL:		MEP-803A	BUMPER NUMBER: BG 2				SERIAL NUMBER:				4144	
VEHICLE MATCH \$UN:										BUMPER NUMBER:												
F0007	00	G74711	01	62.0	32.0	37.0	14	43	1250	1250	1250	PC	700	Z	9	1	J	3BA	1	1		
EQUIPMENT DEC: GEN SET DED SKID MTD										MODEL:		MEP-803A	BUMPER NUMBER: CG 2				SERIAL NUMBER:				4244	
VEHICLE MATCH \$UN:										BUMPER NUMBER:												

# MILSTAMP Codes (Cont)

- Table 5-6: Type Equipment Codes (TE)
  - Identifies the type of equipment being moved
  - Example: Code “3” indicates ‘Vehicles, wheeled (self propelled), 2-1/2 ton or less’
  - Example: “M” indicates ‘Class A explosives’
  - Example: “C” indicates ‘Vehicle, tracked or half tracked except tanks and self-propelled artillery’ - code for tractor from the AUEL

# MILSTAMP Codes (Cont)

TRK CGO D/S 2.5 Ton with Flammable Liquids

COMM CODE

867 R 4

TPC

VO

MPE

← 1 Convoy to SPOE

↑ Fully operational self-propelled vehicle

↑ SHC- Hazardous and Sensitive Cargo

↑ TCC - Flammable Liquids, UN Class 3 (not Class B)

↑ WCC - Wheeled vehicles, self-propelled, 2.5 ton capacity or less

# SUMMARY

**TB 55-46-1**  
**Standard Characteristics**  
**for Transportability of**  
**Military Vehicles and Other**  
**Outsized/Overweight**  
**Equipment**



# TB 55-46-1

## Familiarization

- Provides dimensions, weight & cube for:
  - Military vehicles
  - Vehicle-mounted equipment
  - Outsize/overweight equipment
- Organizations use data as the standard reference when developing/reporting movement requirements
- Information for planning purposes only, units must report actual dimensions & weight in their AUEL

# TB 55-46-1

## Familiarization

### (Cont)

- Data specifically oriented to unit movement transportability/deployability considerations
- Compatible with COMPASS and JOPES
- Remember, doesn't replace actual UMD

# TB 55-46-1

## Familiarization

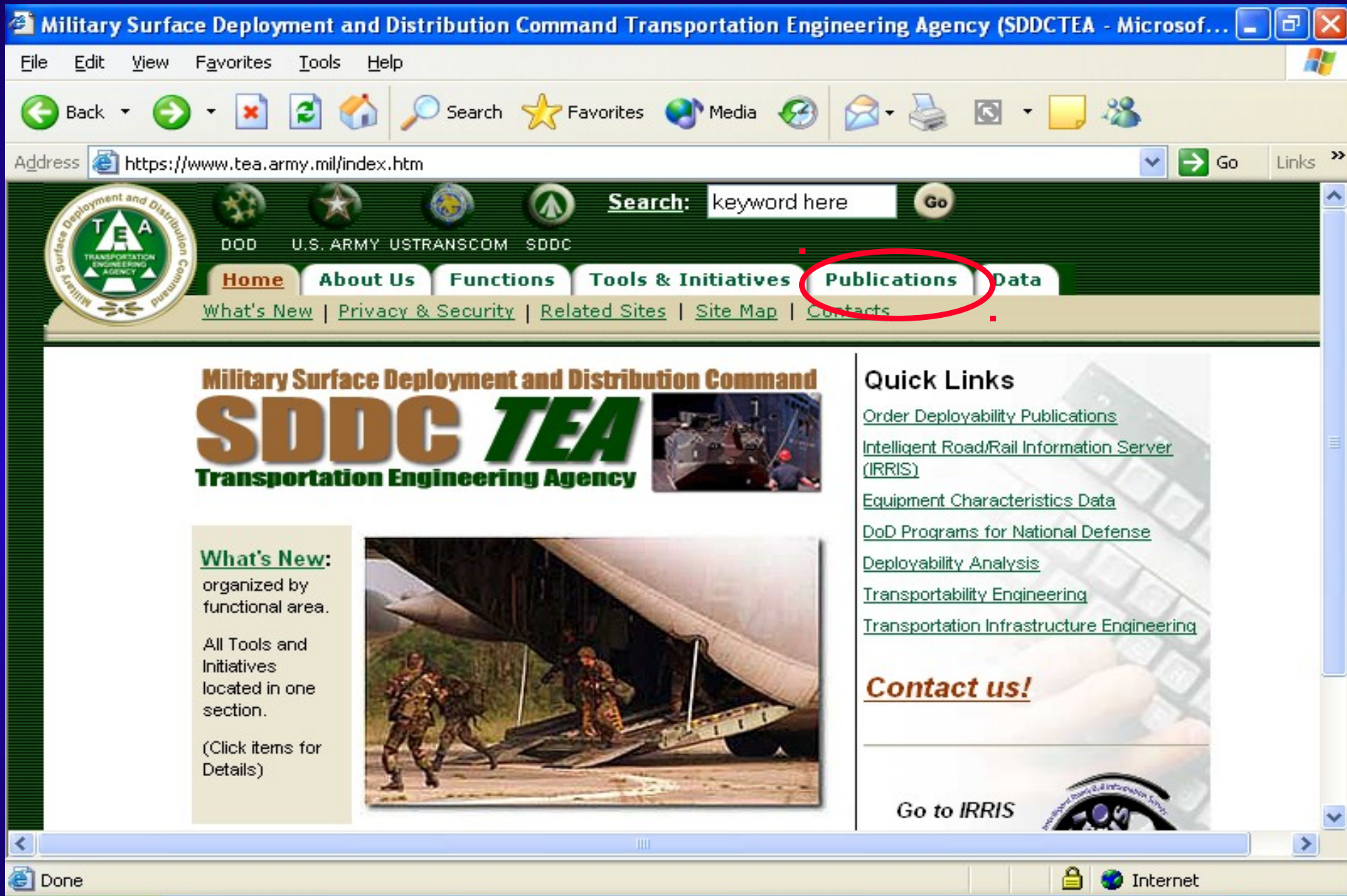
### (Cont)

- TB 55-46-1 lists all military outsized/overweight equipment having dimensions and/or weight equal to or exceeding:
  - + 104 inches long + 84 inches wide
  - + 50 inches high + 5000 pounds or more
- Dimensions/weight must be equal to or greater than any one of the above criteria for a piece of equipment to be listed in the TB

# TB 55-46-1

## Familiarization

- Data for all military equipment, including items excluded from the hardcopy TB 55-46-1, are available online at:  
[https://www.tea.army.mil/pubs\\_res/si/tb55](https://www.tea.army.mil/pubs_res/si/tb55)  
(note that a password is required to access this information)
- SDDC TEA also produces a CD that contains this information





Military Surface Deployment and Distribution Command Transportation Engineering Agency (SDDCTEA - Microsof...

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- Deployment Planning
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  - Port Workload Studies
  - Ports for National Defense
- Other Publications

### [Equipment Characteristics: TB 55-46-1](#)





## Welcome to TB 55-46-1 On-Line.



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Data last updated - December 26, 2001

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Number of records per page : 15

[LIN](#)

Begins with

L46979

[LIN INDEX](#)

Begins with

02

[NSN](#)

Begins with

[ITEM](#)

Begins with

[MODEL](#)

Begins with

[SHIP DESC](#)

Begins with

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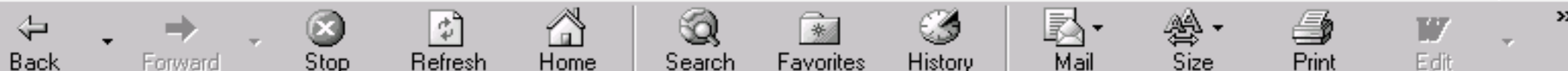
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Questions / Comments about this page - [Keith Turner](#)

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Column Header links will open a definition page in a new window. Click **LIN** links to see all fields for the selected entry.

<a href="#">Lin</a>	<a href="#">Lin index</a>	<a href="#">Item Desc</a>	<a href="#">NSN</a>	<a href="#">Model</a>	<a href="#">Comp Desc</a>	<a href="#">Ship Desc</a>
<a href="#">C12155</a>	01	CARRIER PERS F/TRACK	2350010853792	M981		OPERATIONAL

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## Image

[Model](#)

M981

[Lin](#)

C12155

[Lin Index](#)

01

[Sec Lin](#)[NSN](#)

2350010853792

[Item Description](#)

CARRIER PERS F/TRACK

[Comp Desc](#)[Ship Desc](#)

OPERATIONAL

[Equip Desc](#)Tracked or Half-Tracked Vehicles except for Tanks  
and Artillery[PV Code](#)

V

# TB 55-46-1

## Familiarization

- TB 55-46-1 contains 3 Chapters, 3 Appendixes (CONT)
- Several ways to enter and retrieve data
  - If TOE LIN is known, go to Chapter 3
  - Use cross reference in Appendix A & B
    - + Appendix A crosses NSN to TOE LIN
    - + Appendix B crosses model description to TOE LIN

# TB 55-46-1

## Chapter 1

- Chapter one contains:

What is covered by TB

Important definitions

Data specifications

- UMD Reporting procedures using  
TB

# Definitions

★ Line Item Number (LIN) - A six-character alphanumeric identification assigned to a generic nomenclature to describe collectively all NSN items possessing the functional capability expressed by the LIN description

eg: X 4 0 7 9



Truck Cargo D/S 5 Ton

- M813A1
- M54A2C
- M54A1C
- M923
- M923A1
- M923A2

# Definitions (Cont)

- National Stock Number (NSN) - The NSN consists of 13-digit number assigned by the Defense Logistics Services Center:
- eg: 1055010920596



MLRS



# Definitions (Cont)

- Set: A group of major end-items
  - The entire set is assigned a LIN. This is the 'primary' LIN for the set
  - Each major end-item within the set is referred to as a secondary item and is identified by its own "secondary" LIN and NSN

# SET

TOE LIN ( INDEX ) NO	NATL STOCK NO. (SET) (TOE LIN)	C O M P	V E H I C L E	T Y P E  E Q U I P	LIN DESCRIPTION ( MODEL ) COMPO DESCRIPTION
R93035	(SET)				
V 03	Remarks 5820011483976 (G42170)		R	U 3	RADIO TERMINAL SET AN/TRC-170V3 AN/TRC-170V3
V 01	6115013199032 (T07679)		R	6	GEN SET DED TRL MTD PU-798
V 36	230013469137		R	3	TRK UTIL. HVY HMMWV M1097 .

# Definitions (Cont)

- **Vehicle:** Term including trucks, trailers, semi-trailers, amphibious & tracked vehicles, tanks, artillery (self-propelled & towed), floating craft (self-propelled & towed), rail cars, locomotives, aircraft (including helicopters) & wheel or track-mounted equipment



# Chapter 2-3: Data

## • Dimensions: Specifications

- Length: Horizontal dimension measured from end-to-end. Rounded up to next inch
- Width: Horizontal dimension measured from side-to-side. Rounded up to next inch
- Height: Vertical dimension measured from ground level to the highest reference point. Rounded up to the next inch
- Surface Vehicle Weight (less heavy armor vehicles/tanks): Includes all on-equipment material (OEM), such as basic issue items (BII), and three-quarters of a tank of fuel. It does not include crew weight, baggage, or payload.

# Chapter 2-3

## Data Specifications (cont)

- Dimensions (cont):
  - Cube: The volume of space occupied by the item
  - FORMULA:  
$$(L \times W \times H) / 1,728 = \text{cubic feet inches}$$
  - Rounded up to the next cubic foot

## Chapter 2

### Tables 2-1 to 2-4

- Tables 2-1 to 2-6 contain information on the transportability of equipment by aircraft
- Tables 2-1 & 2-2 contain information on the cargo constraints of various aircraft (maximum cargo weight, height, weight, etc)
- Table 2-3 provides guidance on the number and dimensions of 463L pallets that can be carried on CRAF aircraft
- Table 2-4 details aircraft Allowable Cabin Loads (ACL)

# Chapter 2

## Tables 2-5 and 2-6

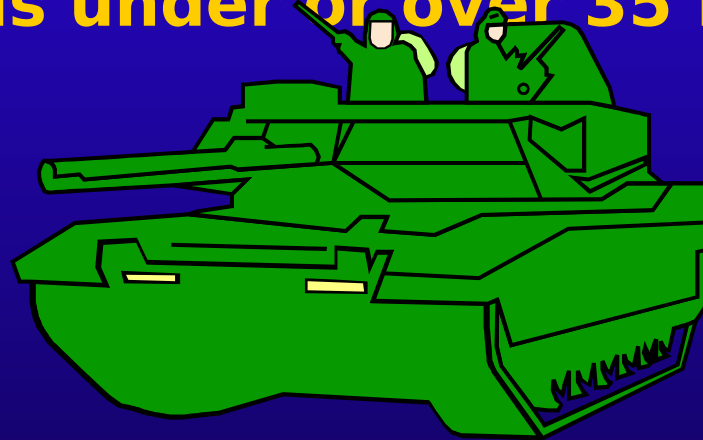
- **Table 2-5: Cargo Category Codes (CCC)**
  - **Position 1: Identifies the type of equipment**
    - 'A' = Vehicles (wheeled and tracked), self propelled or non-self-propelled and are not suitable for road marching on overland deployment legs
    - 'R' = Wheeled vehicles (self propelled or non-self propelled), suitable for road march on overland deployment legs and capable of convoy speeds up to 40 mph.
  - **Position 2: Indicates if an item of equipment is non-air transportable, outsized, oversized or bulk**
  - **Position 3: Indicates whether an item of equipment can or cannot be containerized**

# Chapter 2

## Tables 2-5 and 2-6

### (Cont)

- **Table 2-6: Heavy Lift and Dimensions Codes (H)**
  - A code which identifies the weight bracket of the item (in short tons) and indicates whether it is under or over 35 feet in any dimension





# Cargo Category Codes

First Position: Vehicle/Equipment Type



**ABRAMS MBT**

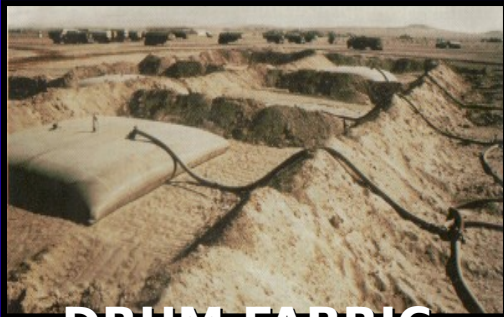


**KIOWA WARRIOR**



**LCU 2000**

A = Non-roadable vehs  
B = Non-self deployable  
C = Floating Craft  
aircraft (uncrated)



**DRUM FABRIC  
FUEL**



**M998**

J = Non-vehicular cargo  
M = Ammunition  
R = Roadable Vehicles

# Cargo Category Codes

## Second Position: Air Transportability

0 = Non-Air transportable



C-5

1 = Outsized Equipment



C-5



C-17



C-141



C-130

2 = Oversized Equipment



C-141

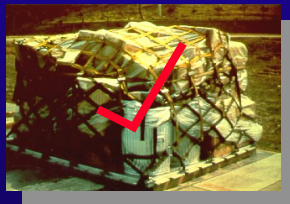


C-130



463L Pallet

3 = Bulk Equipment



463L Pallet<sub>50</sub>

# Cargo Category Codes

## Third Position: Containerization

B = Fit in 20-foot Container

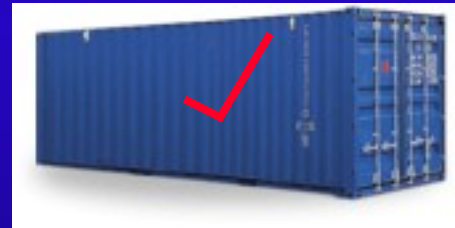


20-foot Container (MILVAN)

C = Fit in 40-foot Container but not a 20-foot container



20-foot Container (MILVAN)



40-foot Container

D = Cannot be containerized



40-foot Container



# Heavy Lift and Dimension Codes

*Codes A - P categorize by weight and dimensions*

Codes A - G = variable weight and less than 35 feet in any dimension

Codes H - P = variable weight and more than 35 feet in any dimension



# Chapter 2

## Tables 2-7 to 2-15

- Tables 2-7 to 2-15 :
  - Contain dimensions & cargo-loading capacity of military general-purpose cargo trucks, dump trucks, trailers, semi-trailers, amphibious vehicles, landing craft & helicopters including:
    - + Cargo deck dimensions
    - + Loading height of cargo carrying vehicles



## TABLE 2-7 CARGO DECK DIMENSIONS



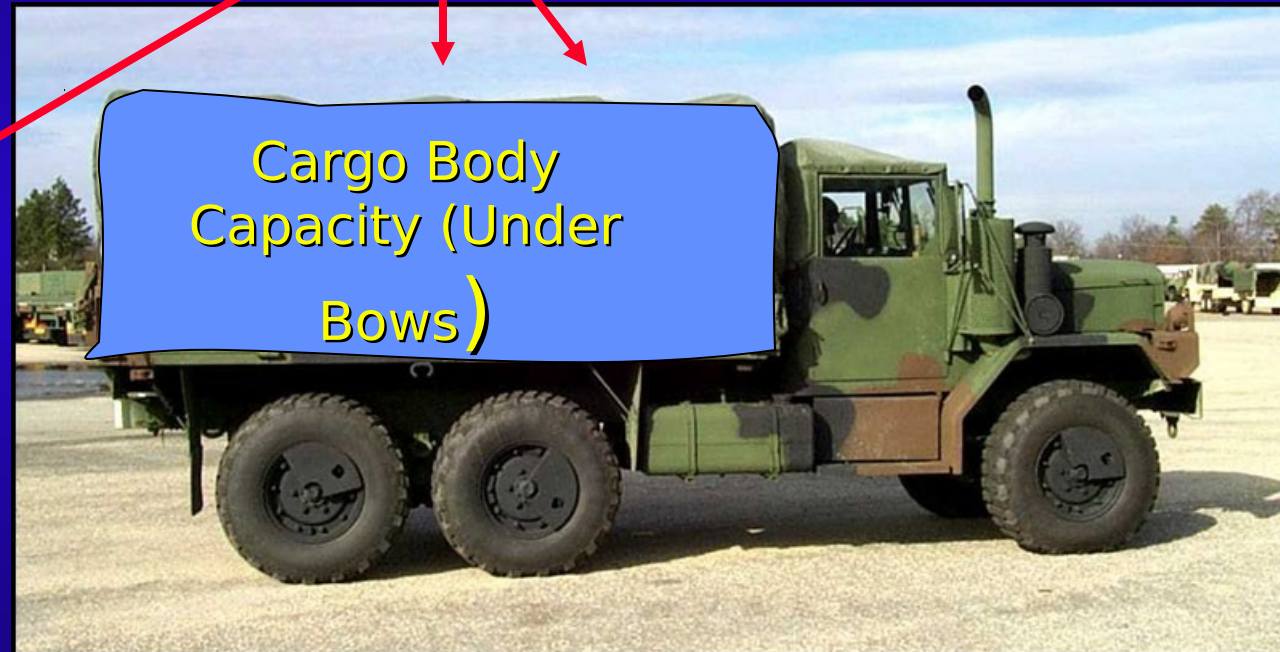
Cargo Deck				Cargo Body Loading Height and Capacity					
Vehicle Type (LIN)	Length (in.)	Width (in.)	Bed Height (in.)	Under Bows (in.)	(ft <sup>3</sup> )	Top of Side Racks (in.)	(ft <sup>3</sup> )	Top of Steering Wheel (in.)	(ft <sup>3</sup> )
<u>2-1/2 Ton</u> M35A1 (X40009)	147.0	88.0	52.0	60.0	443.0-w	37.0	277.0	29.0	217.0

$$\text{Cube} = \frac{\text{Length (in.)} \times \text{Width (in.)} \times \text{Height (in.)}}{1,728}$$
$$\text{Cube} = \frac{147 \times 88 \times 60}{1,728}$$

=443ft<sub>3</sub> (Don't forget about 'w' = cubic capacity reduced by 6.9 cubic feet for curve<sup>54</sup> of bows)

# Truck Bows

Bows (frame)



## M35A3C (2.5 T Truck)



# Truck Side Racks



Top of  
Side  
Racks

**M1078 (2.5 T Truck)**



# Chapter 2

## Tables 2-16 to 2-26

- Tables 2-16 to 2-25 contains wheel base information
  - Primarily used by upper level planners
  - Seldom used at unit level
- Table 2-26 is a metric conversion table

# Chapter 3 -- Equipment Characteristics Data

- Contains Equipment Characteristics Data
  - Starts with detailed explanation of the information contained in each column
  - 11 columns of data
- Column One: TOE LIN --Table of Organization & Equipment Line Item Number

# Chapter 3

## Column 1

- Column 1:

TOE LIN Army

TOE LIN Navy

TOE LIN Air Force

TOE LIN Union (AALPS)

TOE LIN Fictitious

**TOE LIN  
( INDEX )  
NO**

**T61494**

**CB0539**

**AF2955**

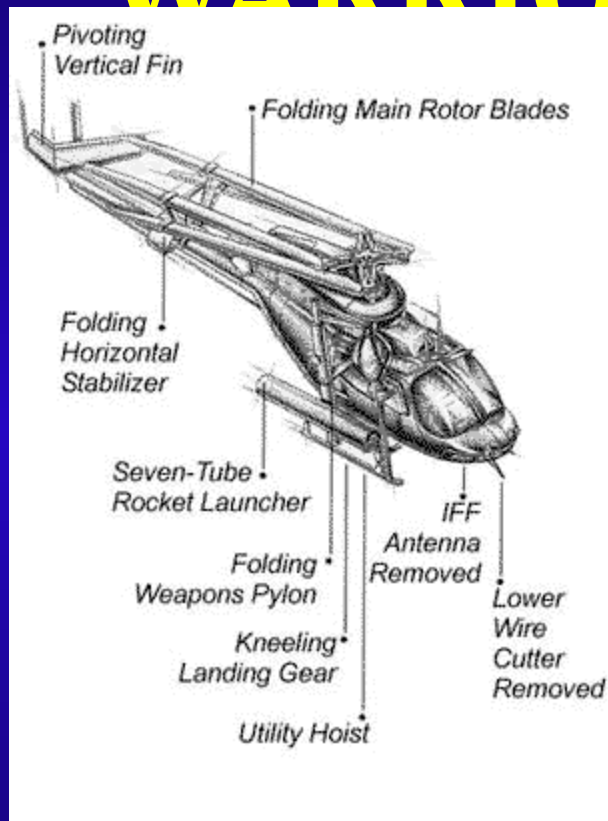
**YU0285**

**YA0095**

**Bell OH-58D**



# KIOWA WARRIOR



**REDUCED CONFIGURATION FOR  
TRANSPORTATION** (two fit into a C130)

# Chapter 3

## Column 1(Cont)

- Column 1 (Cont):

TOE LIN number  
"PV" - Preferred  
Model (generally  
largest and most  
current model) &  
Validated Data (by  
MVIC Validated Data)

TOE LIN ( INDEX ) NO	
A21633	
PV	01
PV	03
V	04
V	05

See LIN A21633 on p.3-5

# Chapter 3

## Column 1 (Cont)

- Column 1 (Cont):

Index No: Identifies different NSNs &/or shipping configuration

TOE LIN ( INDEX ) NO	
A21633	
PV	01
PV	03
V	04
V	05

See LIN A21633 on p.3-5

# Chapter 3

## Column 2

- Column 2:
- **NSN.** Identifies a specific equipment model within a LIN



See LIN A21633 on p.3-5

Ref: Para 3-1c, page 3-1

<b>NATL STOCK NO. (SET) (TOE LIN)</b>	<b>C O M P</b>
<b>1520011255476</b>	

# Chapter 3

## Column 2 (Cont)

- Column 2 (Cont):
- (SET) The TOE LIN in parentheses is the proper TOE LIN to be used for reporting a set

TOE LIN ( INDEX ) NO	NATL STOCK NO. (SET) (TOE LIN)	C O M P	V E H I C L E	T Y P E  E Q U I P	LIN DESCRIPTION ( MODEL ) COMPO DESCRIPTION
R93035	(SET) Remarks		R		RADIO TERMINAL SET
V 03	5820011483976				AN/TRC-170V3
	(G42170)				AN/TRC-170V3
V 01	6115013199032		R	U 3	GEN SET DED TRL MTD
	(T07679)				PU-798
	230013469137		R	6	TRK UTIL. HVY HMMWV
V 36					M1097



# Chapter 3

## Column 3

- Column 3:  
Component.  
Alphabetic code  
added to an NSN to  
identify a  
disassembled  
component

Do not use the  
modified NSN for  
reporting purposes

See LIN A21633 on p.3-5

NATL STOCK NO. (SET) (TOE LIN)	C O M P
1520011255476	A



Landing Skids

# Chapter 3

## Column 4

- Column 4: Vehicle. Code indicates whether vehicle is roadable or non-roadable.
  - “N” = Nonroadable (not suitable for road marching)
  - “R” = Roadable (capable of road marching 40 mph)



V  
E  
H  
I  
C  
L  
E

N

R

See LIN A21633 on p.3-5  
and LIN FM0006 on p.3-104

# Chapter 3

## Column 5

- Column 5: Type Equipment. Numeric code used to differentiate between equipment types:

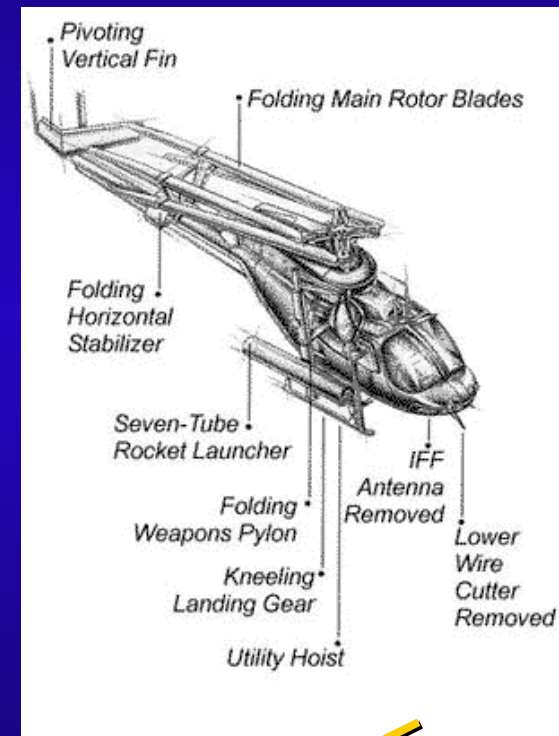
- "H" = Aircraft, rotary wing (operational)
- "K" = Aircraft, rotary wing (configuration)



T  
Y  
P  
E  
  
E  
Q  
U  
I  
P  
M  
E  
N  
T

H

K



See LIN A21633 on p.3-5

# Chapter 3

## Column 6

- Column 6:

LIN Description:  
Generic  
nomenclature  
assigned a LIN

(functional  
Model description)

Description:

< - - LIN DESCRIPTION - - >  
< - - MODEL - - >  
( - COMPO DESCRIPTION - )

AERIAL SCOUT HELICOPTER  
OH-58D  
OH-58D  
LANDING SKIDS

See LIN A21633 on p.3-5

# Chapter 3

## Column 7

- Column 7: Shipping

42 different codes  
Configuration:

“8” = Flyaway (see 3-5)

“F” = Reduced for C-130 Transport (see 3-5)

“B” = Operational (Mission configuration) (see 3-367)

“C” = Reduced to minimum shipping dimensions IAW the unit’s organic maintenance capability (for example, removing canvas tops, turning antennas and bows; securing antennas; etc) (see

See [LIN A21633](#) on p.3-5  
and [LIN X40009](#) on p.3-367

S  
H  
I  
P

C  
O  
N  
F

8

F

B

C

# Chapter 3

## Column 8

- **Column 8: Number of Pieces:**
  - The data in this column indicates the number of identical disassembled components - as detailed in the 'component description' in Column 6
  - The dimensions given in column 9 relate to a single item

**NO.  
PCS**

**3**

See LIN A21633 on p.3-5

# Chapter 3 Column 9

(Con't)

- Column 9: Dimensions, Weight & Cube for one item as described by 'Model' or 'Component Description' & Shipping Configuration



Operational



Reduced

(FOR ONE ITEM)				
DIMENSIONS			WEIGHT	
CUBE			(LB)	(CU)
<-----INCHES----->				
FT)				
LENGTH	WIDTH	HEIGHT		
<-----REMARKS----->				
495	420	156	3427	
187	69			
408	74	106	3119	
185	2			

420 (Operational width)  
74 (Reduced width)

See LIN A21633 on p.3-5



# Chapter 3

## Column 10

- Column 10: Cargo Vehicle Load Limits



**Offroad  
rated  
load  
capacity  
(Height  
(Cargo deck  
+ Height  
Under Bows  
(in inches)**

CGO VEH LD LIMITS WEIGHT		CUBE
HGT TOE		LIN
(INDEX NO)		
	5000	
11		
3		450

See LIN X40009 on p.3-367

**Cubic capacity 'Under Bows' (in cubic feet)**



# Chapter 3

## Column 11

- Column 11(Cont): Cargo Load

Indicator (left to right), C-130, C-141, C-17, C-5, KC-10, & KC-135

Indicator:

“C” (certified by the Air Force) or “X” (qualified for aircraft [will fit]) or blank (not transportable in specified aircraft)

See LIN T61494 on p.3-318

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< CGO LOAD IND >

< AMC > < CRÄF >

CCCCCKK DDBB CTN CTN 4 CCCH

1 1 15CC CC 77 20 40 6

3 4 7 1 1 81 44 FT FT 3

0 1 0 3 0 77 L

5 SN

CCCCC CCC N N N

R2DA

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator  
CRAF (left to right):  
DC-8, DC-10,  
B-747S & B-747N

Indicator:

C or X or blank

See LIN T61494 on p.3-318

< C=AF CERTIFIED >

< X= JCS CRITERIA >

< AMC > < CRAF >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6  
347 11 8144 FT FT 3  
01 03 077

L 5 SN

CCCC -CCC N N N  
R2DA

# Chapter 3 Column 11

## Column 11(Cont)(Cont)

Cargo Load Indicator

CTN:

20-ft (containers)

Indicator:

Y = Fits

N = Not

Fit

See LIN T61494 on p.3-318

< C=AF CERTIFIED >

< X= JCS CRITERIA >

< - - - - CGO LOAD IND - - - - >

< AMC > < C R A F >

CCGCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6  
347 11 8144 FT FT 3  
01 03 077

L 5 SN

CCCC CC N N N

R2DA

# Chapter 3 Column 11

## • Column 11(Cont)(Cont)

### Cargo Load Indicator

CTN:

40-ft (containers)

Indicator:

Y = Fits

N = Not

Fit

See LIN T61494 on p.3-318

< C=AF CERTIFIED >

< X= JCS CRITERIA >

< - - - - CGO LOAD IND - - - -

< AMC > < CRAFT >

CCCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT FT 3  
01 03 077

L 5 SN

CCCC CC N N N

R2DA

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator

463L (pallet)  
Indicator:

Y = Fits

N = Not

Fit

See LIN T61494 on p.3-318

< C=AF CERTIFIED >

< X= JCS CRITERIA >

< - - - - CGO LOAD IND - - - - >

< AMC > < C=AF >

CCGCKK DDDBB CTN CTN 4 CC

1115CC CC77 20 40 6

347 11 8144 FT FT 3

01 03 077

L5 SN

CCCC CC N N N

R2DA

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator
- Cargo  
Category  
Codes

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< - - - - - CGO LOAD IND - - - - - >

< AMC > < C=AF >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT FT 3

01 03 077

L 5 SN

CCC CCC N N N

R2DA

See LIN T61494 on p.3-318

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator

- Cargo  
Category  
Codes  
C(1). Type  
Equipment

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< - - - - - CGO LOAD IND - - - - - >

< AMC > < C=AF >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT FT 3

01 03 077

L 5 SN

CCC CCC N N N

R2DA

See LIN T61494 on p.3-318

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator

- Cargo  
Category

Codes  
C(2): indicates  
if item is air  
transportable

See LIN T61494 on p.3-318

< C=AF CERTIFIED >									
< X=JCS CRITERIA >									
< --- CGO LOAD IND --- >									
< AMC > < CRAFT >									
CCCCKK		DDBB		CTN		CTN		4	CCCH
1115CC		CC77		20		40		6	
347		11		8144		FT		FT	3
01		03		077					
L		5		SN					
CCC		CCC		N		N		N	
R2DA									



# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator

- Cargo  
Category  
Codes

C(3): Can/Cannot  
be containerized

< C=AF CERTIFIED >

< X=JCS CRITERIA >

< - - - - - CGO LOAD IND - - - - - >

< AMC > < C=AF >

CCCCKK DDBB CTN CTN 4 CCCH

1115CC CC77 20 40 6

347 11 8144 FT IT 3

01 03 077

L 5 SN

CCC CCC N N N

R2DA

See LIN T61494 on p.3-318

# Chapter 3 Column 11 (Cont)

- Column 11(Cont):  
Cargo Load Indicator

- Cargo  
Category  
Codes

H: Weight and  
dimensions  
(<35' or >35')

See LIN T61494 on p.3-318

< C=AF CERTIFIED >									
< X=JCS CRITERIA >									
< ----- CGO LOAD IND ----- >									
< AMC > < C=AF >									
CCCCKK		DDBB		CTN		CTN		4	CCCH
1115CC		CC77		20		40		6	
347		11		8144		FT		FT	3
01		03		077					
L		5		SN					
CCC		CCC		N		N		N	
R2DA									

# Chapter 3


## Column 11

### (Cont)

- What did our CCCH code of “R2DA” mean?
  - First: wheeled vehicle, roadable
  - Second: oversized exceeding 463L pallet size
  - Third: cannot be containerized (too wide)
  - Fourth: under 5 tons - smaller than 35' in any dimension


# Appendix A - Cross Reference

- Appendix A:
  - Cross-reference NSN to TOE LIN
- First column is NSN - listed in ascending sequence
- Second Column is corresponding TOE LIN

NSN	TOE LIN
2320010907797	CB07
2320010907828	X616
2320010907831	X420
	

# Appendix A - Cross Reference (Cont)

- Two listings for NSN 2320011077155
- First is CB0360
  - What does this TOE LIN tell you?
  - Navy vehicle
- Next TOE LIN is the Army vehicle (M998)

NSN	TOE LIN
2320010907797	CB07
2320010907828	X616
2320010907831	X420
	
2320011016752	CB06
2320011077153	T0509
2320011077155	CB03
2320011077155	T6149
2320011077156	T6150

# Appendix B - Cross Reference

- Appendix B:
- Cross-reference equipment model designation to TOE LIN
- Contains more information than Appendix A
  - Provides item description, the shipping configuration, the cargo group code, the length and width, and the empty and loaded height and weight

# Appendix B - Cross Reference (Cont)

MODEL	DESCRIPTION	LIN -
M983 WWN	TRUCK TRACTOR TACT8X8	T8867
M983 WWN	TRUCK TRACTOR TACT8X8	T8867
M983/M901	TRK TRAC/LCHR STA GM	YA022
M997A1	TRK AMB 4 LITTER 4X4	T388
M998	TRK UTIL CRG/TRP CARR	T6149
M998	TRK UTIL CRG/TRP CARR	T6149
M998	TRK UTIL CRG/TRP CARR	T6149

See pg B-63



# UMD

## Reporting Procedures

- TB 55-46-1, equipment characteristics data listings are designed to facilitate preparation of UMD reports
- Data reflects specified shipping configurations  
Use only for planning purposes
- FORSCOM Reg 55-2 requires use of TC-ACCIS for reporting UMD to FORSCOM

## UMD Reporting Procedures (Cont)

- Use of LIN & INDEX NO: When combined & properly reported, the computer (TC-ACCIS or TC-AIMS II) generates data listed to the right of the INDEX NO
- Errors in reporting either data element will result in the computer generating erroneous (BAD) data

# Summary

Chapter 1 - Purpose, Definitions, Data Specifications

Chapter 2 - Tables for Cargo Deck Dimensions

Chapter 3 - Equipment Characteristics (items are listed by TOE LIN)

Appendix A - National Stock Number to TOE LIN

Appendix B - Model designation to TOE LIN



# PRACTICAL EXERCISE



- You will be given one of three pieces of information
- ## Practical Exercise Tips

- 13 digit number - it is a NSN - use Appendix A (NSNs listed numerically) to find the LIN and then refer back to Chap 3
  - 6 alphanumeric characters - most likely a LIN - look it up in Chapter 3 (LINs listed alphanumerically)
  - Variable number (other than six) of alphanumeric characters - most likely a Model Designation - look it up in Appendix B (models listed alphanumerically) - refer back to Chap 3 using the LIN for this model to find additional information (if required)
- Cargo Deck Dimensions <sup>92</sup> refer to the tables in